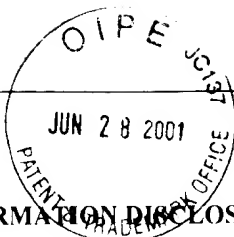


FORM PTO-1449
(REV 7-80)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO
200125.401APPLICATION NO
09/788,626

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

APPLICANTS

Andrew J. Flint and Deborah E. Cool

FILING DATE

February 13, 2001

GROUP ART UNIT

1741/1652

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
Yp	AA	5,912,138	06/15/99	Tonks et al.	435	21	
Yp	AB	5,951,979	09/14/99	Tonks et al.	424	94.6	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
Yp	AC	WO 97/39326	10/23/97	WIPO		
Yp	AD	WO 98/04712	02/05/98	WIPO		
Yp	AE	WO 98/18956	05/07/98	WIPO		
Yp	AF	WO 98/20024	05/14/98	WIPO		
Yp	AG	WO 98/20156	05/14/98	WIPO		
Yp	AH	WO 99/29894	06/17/99	WIPO		
Yp	AI	WO 00/75339	12/14/00	WIPO		

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

Yp	AJ	Black et al., "Identification of an amino-terminal substrate-binding domain in the <i>Yersinia</i> tyrosine phosphatase that is required for efficient recognition of focal adhesion targets," <i>Molecular Microbiology</i> 29(5):1263-1274, 1998.
Yp	AK	Cho et al., "Catalytic domains of the LAR and CD45 protein tyrosine phosphatases from <i>Escherichia coli</i> expression systems: purification and characterization for specificity and mechanism," <i>Biochemistry</i> 31(1):133-138, 1992.
Yp	AL	Cho et al., "Substrate specificities of catalytic fragments of protein tyrosine phosphatases (HPT β , LAR, and CD45) toward phosphotyrosylpeptide substrates and thiophosphotyrosylated peptides as inhibitors," <i>Protein Science</i> 2(6):977-984, 1993.
Yp	AM	Dandliker and de Saussure, "Fluorescence polarization in immunochemistry," <i>Immunochemistry</i> 7:799-828, 1970.
Yp	AN	Dechert et al., "Comparison of the specificity of bacterially expressed cytoplasmic protein-tyrosine phosphatases SHP and SH-PTP2 towards synthetic phosphopeptide substrates," <i>Eur. J. Biochem.</i> 231(3):673-681, 1995.
Yp	AO	Eck et al., "Recognition of a high-affinity phosphotyrosyl peptide by the Src homology-2 domain of p56 ^{lck} ," <i>Nature</i> 362(6415):87-91, March 4, 1993.

EXAMINER

DATE CONSIDERED

7.3.02

* EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s)

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Andrew J. Flint and Deborah E. Cool

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GROUP ART UNIT

1741/657

U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES NO
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OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

yr	BA	Eck et al., "Structure of the IRS-1 PTB domain bound to the juxtamembrane region of the insulin receptor," <i>Cell</i> 85(5):695-705, May 31, 1996.
yr	BB	Flint et al., "Development of 'substrate-trapping' mutants to identify physiological substrates of protein tyrosine phosphatases," <i>Proc. Natl. Acad. Sci. USA</i> 94:1680-1685, March 1997.
yr	BC	Flint et al., "Multi-site phosphorylation of the protein tyrosine phosphatase, PTP1B: identification of cell cycle regulated and phorbol ester stimulated sites of phosphorylation," <i>The EMBO J.</i> 12(5):1937-1946, 1993.
yr	BD	Gottlin et al., "Kinetic analysis of the catalytic domain of human cdc25B," <i>The Journal of Biological Chemistry</i> 271(44):27445-27449, November 1, 1996.
yr	BE	Huyer et al., "Mechanism of inhibition of protein-tyrosine phosphatases by vanadate and pervanadate," <i>The Journal of Biological Chemistry</i> 272(2):843-851, January 10, 1997.
yr	BF	Jia et al., "Structural basis for phosphotyrosine peptide recognition by protein tyrosine phosphatase 1B," <i>Science</i> 268(5218):1754-1758, June 23, 1995.
yr	BG	Levine et al., "Measurement of specific protease activity utilizing fluorescence polarization," <i>Analytical Biochemistry</i> 247(1):83-88, April 5, 1997.
yr	BH	Lundblad et al., "Fluorescence polarization analysis of protein-DNA and protein-protein interactions," <i>Molecular Endocrinology</i> 10(6):607-612, June 1996.
yr	BI	Marengere et al., "SH2 domain specificity and activity modified by a single residue," <i>Nature</i> 369(6480):502-505, June 9, 1994.
yr	BJ	Marth et al., "A lymphocyte-specific protein-tyrosine kinase gene is rearranged and overexpressed in the murine T cell lymphoma LSTRA," <i>Cell</i> 43(2 Pt 1):393-404, December 1985.
yr	BK	Meng et al., "Structure of the amino-terminal domain of Cbl complexed to its binding site on ZAP-70 kinase," <i>Nature</i> 398(6722):84-90, March 4, 1999.

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yr

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7.31.02

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FOREIGN PATENT DOCUMENTS

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OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

gn	CA	Ng et al., "Non-radioactive method to measure CD45 protein tyrosine phosphatase activity isolated directly from cells," <i>Journal of Immunological Methods</i> 179(2):177-185, February 27, 1994.
gn	CB	Ruzzene et al., "Specificity of T-cell protein tyrosine phosphatase toward phosphorylated synthetic peptides," <i>Eur. J. Biochem.</i> 211(1-2):289-295, January 15, 1993.
gn	CC	Songyang et al., "Catalytic specificity of protein-tyrosine kinases is critical for selective signalling," <i>Nature</i> 373(6514):536-539, February 9, 1995.
gn	CD	Songyang et al., "SH2 domains recognize specific phosphopeptide sequences," <i>Cell</i> 72(5):767-778, March 12, 1993.
gn	CE	Sun et al., "MKP-1 (3CH134), an immediate early gene product, is a dual specificity phosphatase that dephosphorylates MAP kinase in vivo," <i>Cell</i> 75(3):487-493, November 5, 1993.
gn	CF	Tiganis et al., "Epidermal growth factor receptor and the adaptor protein p52 ^{Shc} are specific substrates of T-cell protein tyrosine phosphatase," <i>Molecular and Cellular Biology</i> 18(3):1622-1634, March 1998.
gn	CG	Waksman et al., "Crystal structure of the phosphotyrosine recognition domain SH2 of v-src complexed with tyrosine-phosphorylated peptides," <i>Nature</i> 358(6388):646-653, August 20, 1992.
gn	CH	Zhang et al., "Identification of the cell cycle regulator VCP (p97/CDC48) as a substrate of the band 4.1-related protein-tyrosine phosphatase PTPH1," <i>The Journal of Biological Chemistry</i> 274(25):17806-17812, June 18, 1999.
gn	CI	Zhang et al., "Protein tyrosine phosphatase substrate specificity: size and phosphotyrosine positioning requirements in peptide substrates," <i>Biochemistry</i> 33(8):2285-2290, March 1, 1994.
gn	CJ	Zhou et al., "Solution structure of the Shc SH2 domain complexed with a tyrosine-phosphorylated peptide from the T-cell receptor," <i>Proc. Natl. Acad. Sci.</i> 92:7784-7788, August 1995.
	CK	

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FORM PTO-1449
(REV 7-80)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
200125.401APPLICATION NO
09/788,626**SUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENT**
(Use several sheets if necessary)APPLICANTS
Andrew J. Flint and Deborah E. CoolFILING DATE
February 13, 2001GROUP ART UNIT
1741 / 1652**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
gn	AA	5,858,686	01/12/99	Schlessinger et al.	435	7.8	
	AB						
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	AD						
	AE						
	AF						
	AG						
	AH						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
	AI					
	AJ					
	AK					
	AL					
	AM					

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

gn	AN	Babcook et al., "Automated Nonisotopic Assay for Protein-Tyrosine Kinase and Protein-Tyrosine Phosphatase Activities," <i>Analytical Biochemistry</i> 196(2):245-251, August 1, 1991.
gn	AO	Zhang et al., "Suramin is an Active Site-directed, Reversible, and Tight-binding Inhibitor of Protein-tyrosine Phosphatases," <i>J. Biological Chemistry</i> 273(20):12281-12287, May 15, 1998.
	AP	

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